

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	09/846,985
Filing Date	May 01, 2001
First Named Inventor	Kenneth J. Cool
Art Unit	1631
Examiner Name	John S. Brusca
Attorney Docket Number	DTR-112

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JCB		US- 5,556,749	09-17-1996	Mitsuhashi et al.	
JCB		US- 5,925,525	07-20-1999	Fodor et al.	
JCB		US- 5,849,486	12-15-1998	Heller et al.	
JCB		US- 5,871,697	02-16-1999	Rothberg et al.	
JCB		US- 3,670,151	06-13-1972	Lindsay et al.	
JCB		US- 5,784,422	07-21-1998	Heermann	
JCB		US- 5,650,785	07-22-1997	Rodal	
JCB		US- 5,549,805	08-27-1996	Middendorf et al.	
JCB		US- 5,207,880	05-04-1993	Middendorf et al.	
JCB		US- 4,729,947	03-08-1988	Middendorf et al.	
JCB		US- 5,794,068	08-11-1998	Asghar et al.	
JCB		US- 5,862,231	01-19-1999	Tokuhsa	
JCB		US- 6,021,421	02-01-2000	Retter et al.	
JCB		US- 4,660,164	04-21-1987	Leibowitz	
JCB		US- 5,077,753	12-31-1991	Grau et al.	
JCB		US- 5,809,060	09-15-1998	Cafarella et al.	
JCB		US- 6,075,812	06-13-2000	Cafarella et al.	
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	1 ⁶
		Country Code ³ * Number ⁴ * Kind Code ⁵ (if known)				
JCB		WO 99/01940	01-14-1999	Gilchrist		

Examiner
Signature

J.S. Brusca

Date

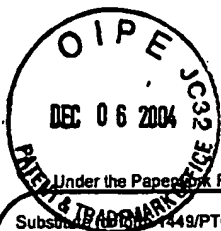
Considered

26 January 2005

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



PTO/SB/088 (08-03)
Approved for use through 07/31/2006. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substantive Examination Fee 449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/846,985
Filing Date	May 01, 2001
First Named Inventor	Kenneth J. Cool
Art Unit	1631
Examiner Name	John S. Brusca
Attorney Docket Number	DTR-112

Sheet	2	of	2
-------	---	----	---

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
JSB		ASHLEY, "Modleing, Synthesis, and Hybridization Properties of (L)-Ribonucleic Acid", J.Am. Chem.Soc., 1992, pp. 9731-9736, Vol. 114, No. 25, Ameican Chemical Society, USA	
JSB		BENSON, "Digital Signal Processing Methods for Biosequence Comparison", Nucleic Acids Research, 1990, pp. 3001-3006, Vol. 18, No. 10, Oxford University Press, USA.	
JSB		ALTSCHUL et al., "Gapped BLAST and PSI-BLAST: A New Generation of Protein Database Search Programs", Nucleid Acids Research, 1997, pp.3389-3402, Vol. 25, No. 17, USA	
JSB		PROAKIS and MANOLAKIS, "Introduction to Digital Signal Processing", 1988, pp. 111-129, Macmillian Publishing Company, New York, USA	
JSB		ADREN et al., "CCK Modulation Delivers 11Mbps for High Rate IEEE 802.11 Extension", Wireless Symposium/Portable by Design Conference, 1999, Palm Bay, FL, USA	

Examiner Signature	<i>J.S. Brusca</i>	Date Considered	25 January 2005
--------------------	--------------------	-----------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.